

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): An image sensing apparatus connected to an external image processing apparatus comprising:

image sensing circuit for sensing an ~~abject~~ object and outputting an image signal;
communication circuit for transmitting the image signal and identification information on said image sensing circuit; and

control circuit for controlling said image sensing circuit and a communication mode of said communication circuit in accordance with driving signals, transmitted from the image processing apparatus,

wherein said communication circuit mutes the image signal while predetermined communication between said image sensing apparatus and said external image processing apparatus is carried out in synchronism with a predetermined synchronous camera control signal, and

wherein said control circuit controls said communication circuit set to a predetermined communication mode in an initial state, and said communication circuit transmits the identification information under the initial state, then said control circuit changes the predetermined communication mode set in said communication circuit if the predetermined mode does not conform to said image sensing circuit.

Claim 2 (Original): The image sensing apparatus according to claim 1, wherein the identification information at least includes a number of pixels or a video rate of said image sensing means.

Claim 3 (Canceled).

Claim 4 (Currently Amended): ~~The image sensing apparatus according to claim 1~~
An image sensing apparatus connected to an external image processing apparatus comprising:
image sensing circuit for sensing an object and outputting an image signal;
communication circuit for transmitting the image signal and identification
information on said image sensing circuit; and
control circuit for controlling said image sensing circuit and a communication
mode of said communication circuit in accordance with driving signals, transmitted from the
image processing apparatus,
wherein said communication circuit mutes the image signal while predetermined
communication between said image sensing apparatus and said external image processing
apparatus is carried out in synchronism with a predetermined synchronous camera control signal,
said communication circuit comprises muting circuit for muting a signal level of the image signal
obtained by said image sensing circuit and outputting the muted signals to said communication
circuit.

Claim 5 (Currently Amended): ~~The image sensing apparatus according to claim 1~~
An image sensing apparatus connected to an external image processing apparatus comprising:

image sensing circuit for sensing an object and outputting an image signal;
communication circuit for transmitting the image signal and identification
information on said image sensing circuit; and
control circuit for controlling said image sensing circuit and a communication
mode of said communication circuit in accordance with driving signals, transmitted from the
image processing apparatus,
wherein said communication circuit mutes the image signal while predetermined
communication between said image sensing apparatus and said external image processing
apparatus is carried out in synchronism with a predetermined synchronous camera control signal,
wherein said control circuit controls said communication circuit set to a communication mode
corresponding to a type of said image sensing circuit in an initial state, and said communication
circuit transmits a signal responding to a request signal transmitted from the image processing
apparatus as the identification information.

Claim 6 (Currently Amended): The image sensing apparatus according to claim
~~44~~ 1 wherein said communication circuit communicates in a vertical interval data signal method.

Claim 7 (Previously Presented): The image sensing apparatus according to claim
1, further comprising driving signals that include a synchronizing signal and a clock signal.

Claim 8 (Previously Presented): The image sensing apparatus according to claim
1, wherein at least an amount of information is changed in accordance with the communication
mode.

Claims 9-41 (Canceled).

Claim 42 (New): The image sensing apparatus according to claim 4, wherein the identification information at least includes a number of pixels or a video rate of said image sensing means.

Claim 43 (New): The image sensing apparatus according to claim 4, wherein said communication circuit communicates in a vertical interval data signal method.

Claim 44 (New): The image sensing apparatus according to claim 4, further comprising driving signals that include a synchronizing signal and a clock signal.

Claim 45 (New): The image sensing apparatus according to claim 4, wherein at least an amount of information is changed in accordance with the communication mode.

Claim 46 (New): The image sensing apparatus according to claim 5, wherein the identification information at least includes a number of pixels or a video rate of said image sensing means.

Claim 47 (New): The image sensing apparatus according to claim 5, wherein said communication circuit communicates in a vertical interval data signal method.

Claim 48 (New): The image sensing apparatus according to claim 5, further comprising driving signals that include a synchronizing signal and a clock signal.

Claim 49 (New): The image sensing apparatus according to claim 5, wherein at least an amount of information is changed in accordance with the communication mode.